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PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark
Office
(Box PCT)
Crystal Plaza 2
Washington, DC 20231
ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

Date of mailing:

08 July 1999 (08.07.99)

International application No.:

PCT/JP98/05861

Applicant's or agent's file reference:

YCT-368

International filing date:

24 December 1998 (24.12.98)

Priority date:

25 December 1997 (25.12.97)

Applicant:

KAMIYA, Ichiro et al

1. The designated Office is hereby notified of its election made:



in the demand filed with the International preliminary Examining Authority on:

20 May 1999 (20.05.99)



in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer:

J. Zahra

Telephone No.: (41-22) 338.83.38

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference YCT-368	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/JP 98/ 05861	International filing date (day/month/year) 24/12/1998	(Earliest) Priority Date (day/month/year) 25/12/1997
Applicant EBARA CORPORATION et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

1



None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 98/05861

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 6	C02F1/16	C02F1/04 B01D1/26 B01D3/10 B01D1/04 F01K17/04
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC 6 C02F B01D F01K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 819 025 A (AKTIESELSKABET ATLAS) 26 August 1959	1,2,5,6, 9,10,14, 18-21 15
A	see page 1, line 65 - line 75 see page 2, line 119 - page 3, line 15 see page 3, line 43 - line 88 see page 4, line 40 - line 57; claims; figure 2 ---	
Y	EP 0 034 920 A (DU PONT) 2 September 1981	1,9-11
A	see page 9, line 5 - page 10, line 23; figure 2 see page 17, line 14 - line 29 ---	2-4,12, 13,20,21
	--- -/--	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 31 March 1999		Date of mailing of the international search report 09/04/1999
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Van Belleghem, W

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 98/05861

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 097, no. 006, 30 June 1997 & JP 09 052082 A (NKK CORP; TOKYO ELECTRIC POWER CO INC:THE), 25 February 1997 see abstract ---	1,9-11
A	PATENT ABSTRACTS OF JAPAN vol. 097, no. 008, 29 August 1997 & JP 09 108653 A (NKK CORP), 28 April 1997 see abstract ---	1,9
A	WO 97 48646 A (KAMIYA ICHIRO ;NARASAKI YUZO (JP); SATO HARUKI (JP); EBARA CORP (J) 24 December 1997 ---	
A	EP 0 067 146 A (VER EDELSTAHLWERKE AG) 15 December 1982 -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP 98/05861

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 819025	A		DE 1259256 B	
EP 0034920	A	02-09-1981	US 4341601 A	27-07-1982
			CA 1177746 A	13-11-1984
			DK 74181 A	21-08-1981
			JP 56130289 A	13-10-1982
			US 4424098 A	03-01-1984
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